

*A* 2 4. The endovascular stent/graft assembly of claim 25, wherein the first axial end of the tubular graft means and the second axial end of the stent means are affixed by sutures.

*A* 2 25. An endovascular stent/graft assembly for repairing a section of a blood vessel that has an aneurysm, said blood vessel having first and second relatively healthy sections adjacent and on opposite ends of said aneurysm, said assembly comprising:

a substantially tubular stent means for directly contacting said first relatively healthy section of said blood vessel, said stent means having opposite first and second axial ends; and

*A* 2 a substantially tubular graft means for directly contacting said first and second relatively healthy sections of said blood vessel and for bridging said aneurysm, said graft means having a first axial end, portions of said graft means adjacent said first axial end being for directly contacting said first relatively healthy section of said blood vessel, said first axial end being fixedly connected with the second axial end of the stent means for achieving a substantially end-to-end connection, said graft means further having a second axial end for directly contacting said second relatively healthy section of said blood vessel, such that portions of said graft means between said first and second axial ends bridge said aneurysm of said blood vessel.

26. An endovascular stent/graft assembly comprising a tubular graft having first and second axial ends and a passage extending between the ends, a stent having first and second axial ends and a passage extending between the ends, said first axial end of said tubular graft being connected substantially in end-to-end relationship with said second axial end of said stent to define a connection, said connection